

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C03C1/00 C03C3/091 C03B5/225

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C03C C03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03/066539 A (TAKAHASHI HACHIRO ; AOKI SHIGEAKI (JP); KATO MITSUO (JP); TAKAGI MASAT) 14 August 2003 (2003-08-14) paragraphs '0030!, '0031!; claims; examples 143, 146, 149, 150, 161-170	1-8
E	& EP 1 473 284 A (NIPPON ELECTRIC GLASS CO) 3 November 2004 (2004-11-03)	1-8
E	US 2004/186000 A1 (MATSUDA TOSHIFUMI ET AL) 23 September 2004 (2004-09-23) paragraphs '0045! - '0049!; claims; table 1 ----- -/--	1-8

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

12 November 2004

Date of mailing of the international search report

18/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Van Bommel, L

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05, 31 May 1999 (1999-05-31) & JP 11 043350 A (NIPPON ELECTRIC GLASS CO LTD), 16 February 1999 (1999-02-16) cited in the application abstract	1-8
Y	----- PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09, 13 October 2000 (2000-10-13) & JP 2000 159541 A (NIPPON ELECTRIC GLASS CO LTD), 13 June 2000 (2000-06-13) cited in the application abstract	1-8
Y	----- US 3 622 296 A (BUEHL WALTER M) 23 November 1971 (1971-11-23) the whole document	1-8
Y	----- US 2 038 627 A (BADGER ALFRED E) 28 April 1936 (1936-04-28) the whole document -----	1-8

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03066539	A	14-08-2003	EP	1473284 A1		03-11-2004
			WO	03066539 A1		14-08-2003
			JP	2003300750 A		21-10-2003
EP 1473284	A	03-11-2004	EP	1473284 A1		03-11-2004
			WO	03066539 A1		14-08-2003
			JP	2003300750 A		21-10-2003
US 2004186000	A1	23-09-2004	JP	2004269347 A		30-09-2004
JP 11043350	A	16-02-1999	US	2003121288 A1		03-07-2003
			US	2002011080 A1		31-01-2002
			US	6508083 B1		21-01-2003
JP 2000159541	A	13-06-2000	US	6468933 B1		22-10-2002
US 3622296	A	23-11-1971	GB	1159647 A		30-07-1969
US 2038627	A	28-04-1936	FR	805007 A		09-11-1936
			GB	450927 A		27-07-1936